

THE

AMERICAN FARMER,

AND

SPIRIT OF THE AGRICULTURAL JOURNALS OF THE DAY.

DEVOTED TO THE INTERESTS

OF THE

FARMERS, PLANTERS & HORTICULTURISTS

OF THE

UNITED STATES.



Whoever makes two ears of corn, or two blades of grass to grow upon a spot of ground where only one grew before, deserves better of mankind, and does more essential service to his country, than the whole race of politicians put together.—*Swift.*

SAMUEL SANDS, PUBLISHER.

VOL. V.—NEW SERIES.

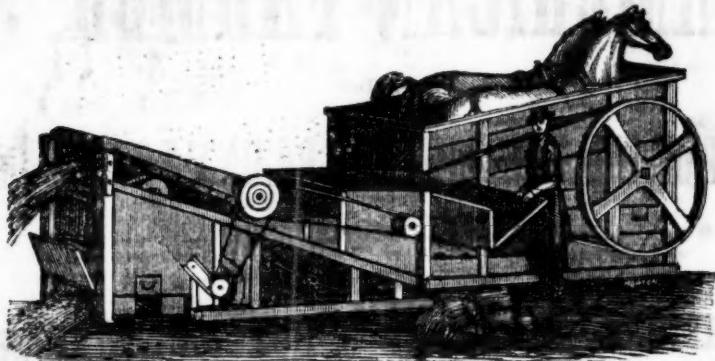
BALTIMORE, MD.

PRINTED BY SANDS & MILLS, 128 BALTIMORE STREET.

1849.

348873

WHITMAN'S Premium Wrought Iron Rail-Way Horse Power.



At the great Agricultural State Fair, held at Baltimore, October, 1849, there was the largest exhibition of Horse-power and Threshing Machines ever exhibited in this State, or at any other State Fair in this country, and all thoroughly examined and tested by a large and competent committee, who awarded the *first premium* to the above power, as the best on the ground. More than *five thousand* of these powers are now in use by many of the best Farmers in the Country, and they consider them to be *double* in power to any of the best Sweep Powers, more durable and much easier for the horses. CASE PRICE, \$100.

E. WHITMAN, Jr., Corner of Light and Pratt Street, Baltimore.

As evidence that we do not over rate the capacity of this Power, and for the satisfaction of farmers in want of a good machine, we insert the following letter, just received from one of the most intelligent and respectable farmers in Virginia—and we are in daily receipt of letters of the same import from Maine to Texas.

Miller's Tavern, Essex Co., Va., May 30, 1850.

Mr. E. WHITMAN, Jr.—

Dear Sir—I have for some time intended giving you a full description of the operation and success of the wrought iron RAIL-WAY HORSEPOWER and THRESHING MACHINE, I purchased of you last May. I will give you a few instances of my threshing—I carried the whole machine between 8 and 10 miles with an ox cart, and set it three times on different farms, and threshed from 115 to 130 bushels of wheat in one day, and each time took the machine out of the cart; made the tables; geared the horses; and commenced threshing in ten minutes. Rev. Peter Ainsley, Col. Rich'd J. Musc and Musco Garnett, Esq. were witnesses to the above. In another instance, I commenced threshing at Mr. W. R. G. Trible's, at 8 o'clock in the morning, and threshed 92 bushels of wheat by 12 o'clock—then moved about a mile after 2 o'clock in the afternoon of same day, and threshed 47

bushels of wheat before sun down. Mr. L. D. Brooks, Mr. Berrly Brooks, and others, can vouch for the truth of this statement. I frequently threshed 100 bushels of wheat from breakfast to dinner time—and during the season, I threshed 28 different crops, making in all 5,450 bushels of wheat, and the wear of the machine is scarcely apparent—and I consider the labor to the horses no more than plowing in light land. I candidly believe, your wrought-iron Railway Horse-power and Thresher, surpasses any I have seen, and I find it is now much better since your late improvements have been attached.

You will please have two of your Improved Railway Horse-power and Threshers put up and sent to me by first convenience, they are for two of my neighbors—have them landed at Piscataway Bridge. I think I shall order one or two more of them between now and harvest.

Very respectfully yours,

W. G. COVINGTON

je 1

SWEEP POWERS.

We also have three other kinds of SWEEP POWERS, which embrace all the valuable improvements that have ever been attached to the Sweep or Lever Powers.

Prices, \$85, \$100, and \$120.

E. WHITMAN, Jr.
No. 55 Light street, Baltimore.

PREMIUM THRESHERS.

OUR Iron Thresher, which received the first Premium in Baltimore, last Fall, is well adapted to either of the above powers. Price of the two sizes, \$45 and \$50. If Straw-Carriers are attached, they are \$15 extra. E. WHITMAN, Jr.,
je 1 55 Light street, Baltimore, Md.

ONE WHEEL POWER.

We also have the EDDY POWER, which is one of the most simple and durable Sweep Power now in use. It consists of one wheel only, and the horses work inside of the wheel. It can be transported easily from place to place, in a common farm wagon, and may be set up in 20 minutes, and taken down in half that time. It is simple in construction, not liable to get out of order, and may be easily repaired, the gearing being made entirely of wrought iron. It may work in the open field, though it is better to have it under cover, when stationary, especially during stormy or very hot weather. For its efficiency, durability and simplicity, this, for a sweep power, is preferred by many to all others. Price American wood for paragus, tumb, b... voice fr...

E. WHITMAN, Jr.,
55 Light street, Baltimore, Md.

je 1

INDEX.

- Agriculture, profits of, by E. Russin
" aid to, in Va. and S. Carolina 247
Agricola, on the Central Ag. Soc. 357
Agricultural Institute, Mt. Airy, 312, 398
" Readings, &c., by P. Planter 302
" Convention in Va. 273
" Bureau, recommended by Alabama 274, by the editor 311
" Society of Montgomery, proceedings of, on Guano, 115, 351; of Virginia, 311; of Frederick Co., 247; of Dorchester, 311; Appeal for a National Central, 295; resolutions of Charles Co., 246
" Education, provision for, 271
" College, provision for 271; in New York, 54, 274
" Agents, by Specs, 200
" Chemistry in St. John's College, 123
Agricultural Fair of Md. State Soc., 33, 49, 65, 120, 124; transportation of Stock to, 122; account of, 135, 157; stock, implements, &c., exhibited at, 161 to 166; President Taylor's acceptance of an invitation to visit, 122; V. President Fillmore's letter, 170.
Agricultural Fair of Michigan State Soc., 54; of Montgomery Co. Md. 81, 125, 193, 239; of Fairfax, Va. 81, 168; of S. C. 86; of P. George's Md. 123, 203, 243; of Charles Co. Md. 123, 201; of Philadelphia Co. 123; of Delaware 123, 170; of N. Y. State 124; of Georgia 124; of Talbot Co. 204, 245.
Agricultural Facts and papers, circulation of 435
" gleanings and thoughts 436
" Truths, on management of wet and stiff lands, &c. 438
Alabama, productions and soil of, 53
American Farmer, 16, 18, 19, 50, 52, 79, 82, 83, 84, 128, 271, 352, 398; postage on the, 247; prize essays for, 51, 169; awards of plate 151; subscribers to fund for plate 169; close of vol. 5, &c. 415; address for vol. 6, 415, 430
Americano, experiments of, with salts, ashes, &c. 58
Anderson, Tho. B. on the cow pea 401
Analysis, value of chemical, 225; do by Dr. Higgins 361
of a recently caught oyster by Prof. C. Morfit 399
of gashouse lime, by Prof. Graham 399;
of rye 65; of sweet potatoes 258
by Dr. Higgins, of Mr. Wallace's soil 225;
of lime 170
" soils by Dr. Stewart 434
Almala, effect of kindness to, 392
Almond, from the crab, by Dr. McGoffin 51, 53. [See Ornaments and Fruit Trees.]
Alshoke, Jerusalem, value of the, 58; culture of 329, 390, 344
Aloes, it grows Root, culture of 125
Alimentary, value of 182; use of and lime 228; for timber, Freshly meadows 12, 301; and turnips 12, 34; for a wasp 68; for fruit trees 68; experiment with by Prof. Americano 58; for broadcast corn 78; burning wood for 406; and bones 406
Alparagus, culture of 61, 132, 325, 348
Alum, by J. S. G. 205
Alvarez, voice from St. Mary's 372
Alvarez cattle, importation of 125

- B. & O. R. R. and freight on guano 115
Barley, cultivation of 301, 344
Bartlett, W. O. double plough of 315, 318
Baynes, Thomas on preparing bones 118
Beans, culture of 259, 348, 391
Beef cattle, meeting of feeders of in Ohio 271
Beet Hive, plan of a, by T. P. Stabler, 358
Beets raised by Col. Capron 193, 244
" culture of 345, 389, 422; by H. M. P. 258
Berkeley, E. on the Florene wheat 84
Bethany, a visit to by W. B. B. 200
Birds, a story of the, by Portia 249
Blount, Thos. E. on raising marl 359
Bones, to reduce by steam 20; consumption of, in England 436
Bones, how prepared, by T. Baynes 118
" Prof. Johnson on the value of 247
" Prof. Gray on do 269, 405
Bone Dust, value of, and ashes 469; for meadows 12, 77, 299, 301; for turnips 12; for fruit trees 68; for vegetables 306; used with lime in Delaware 404; prepared with oil of vitrol by Dr. Norton 405
Books, notice of Minié's drawing 122; Browne's Poultry yard 270; Bennett's Poultry book 271, 408; Kennedy's life of Wirt 275; Lynch's Dead Sea 429; Book of the farm 432
Bots, remedies for in horses 91
" cure for J. Yellott 365, 398
Bowie, W. W. W. prize essay of on Tobacco 184
British Husbandry, system of by T. Johnson 42
Brain Duster for millers 206
Broccoli, culture of 424
Brooke, Geo. E. hay crop of 312
Buckwheat, cultivation of 12, 260 423; large yield of 194
Buchanan, W. B. visit of to Bethany 200; on value of oxen 355; yoke for 409; on Sheep husbandry 235; on the wire fence 272, 313; a plan for a wire gate by 355
Buchanan, R. on grape culture 286
Budding, time for 28
Burgwyn, T. P. on N. C. and Va. farming 24; wheat raised by 29
Bushes, to extricate 54
C.
C. on Steam engines for farm purposes 359
Cabbages, cultivation of 27, 93, 132, 324, 347, 407
Calvert, C. B. letter of, to transportation lines 122
re-election of, as President State Soc. 154
Canadian Reciprocity Bill, remonstrance against 438
Campbell, A. visit to, at Bethany 201
Canada Thistle, how to destroy 22
Cantalepus, culture of 27, 93, 132, 324, 347, 407, 424
Capron, Col. on Wire Fences 22; prize crops of 243, 312
Carrots, culture of 345, 422; by H. M. P. 259; at Mt. Airy 323
Carmichael, Wm. on agricultural economy 190
Caroline Co., farming in, by J. B. Steele Jr. 197
Cattle, importation of Ayrshire 125
Cauliflower, culture of the 28, 347, 424; by R. J. Meany 242
Celery, culture of 28, 348, 425
Central Agr. Soc. by Agricola 357; by S. T. Stewart 360; by J. Jones 429
Chisolm, R. on the cow Pea 403
Choctawh on farming in Talbot 111, 265
Chappell's Fertilizer, analyses of 21; on the value of by Collington 25, 112; by Dr. P. S. Chappell 27, 317; by E. F. R. 44; by Fair Play 44; by F. F. H. 45; by Americano 58, 89; by J. P. Ijams 89; by

- Justice 90; by J B Owens 94; by Mr. Carmichael 191; report on to State Soc. 152, 193; Northampton, on its use in Va. 261, 400; in Q. Anne's 441
- Chlorine, on use of, by Dr. Higgins 365
- Cymbelins, field culture of 261
- Clagett, D. proposition by, for a sweepstakes for potatoes 306, 359
- Clay, on the value of burning 460
- Clement, A. agency of 82
- Clod Crusher, recommended 403
- Clover, curing hay of 51; to get a poor field in 55, culture of 77, 179; sowing seed of 264, 298, 299
- Coal, bituminous, as manure 433
- Colie in Horses, cure for, by J. Yellott 365, 398
- Collington on fertilizers, farm accounts &c. 25, 112
- Colonus, visit of, to Delaware 52
- Compost for meadows 12; for wheat 88; heaps, of what formed 13; of swamp mud, &c. 426; by H. M. F. 204
- Corn, cultivation of 11, 119, 298, 234, 263, 345, 388, 422
- " broadcast for fodder 78, 392
 - " pitching of the 356
 - " compost for 204; soaks for 345
 - " Mr. Duckett's 268
 - " demand for, in England 49
 - " guano and farm yard manure for 318; guano for, by T. S. P. 109; by R. H. Ramsey 119
 - " stalks for provender 107
- Corn, large yields of, 193, 243, 244
- " a new Cultivator for, 399
 - " advantage of shelling for market 107
 - " phenomenon in, 78
 - " bread, by Mrs. Norton's recipe, 45
- Cottage Residence, plan and description of a 17
- Cotton, in India, 274
- " guano and farm yard manure for 318
- Cows, management of mitch, 35 196 233 264 347 392; worked as oxen, 44.
- Cow Pea, as a green manure 350, 398; by Wm. Dodge 354; by T. B. Anderson, 400; by Cumberland 401; by R. Chisolm 402; by S. J. Fletcher 403; by J. M. Jacobs 409
- Cream, how to increase the quantity of 21
- " and milk, relative yield of 434
- Crops, state of the 19, 50, 52, 60, 84, 87, 114, 123, 127, 128, 192, 195, 247, 248, 268, 398, 401, 431
- " in Delaware, by A Farmer, 352
 - " in Talbot, by Choptank, 265
 - " in the West, 272
- Cucumbers, culture of, 27, 424
- Curculio, description of the, by M. H. Morris, 224
- Cumberland, on Manures, 401
- D.
- D. H. H. on value of Shell Banks, 349
- Dairy, hints for its management, 21, 434
- Davis, A. B., on freight on guano, 115, 126
- Ditch bank earth, compost of, 88
- Dobbin, G. W. on Wire fences, 13
- " W. B. fine sheep of 248
- Draining, by F. F. H. 45; effects of, 67, 106, 299; oyster shells for, 89; tiles, specimens of, 170; value of by J. Wallace, 226
- Drill, a new wheat by Sinclair & Co. 22, 60, 191
- " Pearson's, 191
- Drilling, value of, by W. Carmichael, 191
- Ducking Shores of Md. trespassers on, 69
- Duckett, J. M. corn grown by, 268
- Dupuy, Dr. experiments with guano by, 189
- E.
- Earle, S. T. report on farm of, by Corsica Neck Club 78
- Eastern Shore, beauties of the, by E. F. R. 43
- Editorial Convention, meeting of the 350, 398
- E. F. R. on the crops of Talbot &c. 114
- Egg Plant, culture of 348
- Endive, culture of 29
- Enquirer on marl, green sand, &c. 116
- Epsom Salts for rye 65, as a manure 365
- Essays, prizes offered for 18, 80
- " reports of committees on 169, 350
 - " (See *Tobacco and Farm Buildings*.)
- Etches, letter from, on imported stock 125
- Editorial Notices—of Mr. Ruffin's Essay, 1; of Col. Capron's & Mr. Dobbin's papers on Wire fence 20; of Solon Robinson 19, of Oats from F. Constable 21; of Sinclair & Co's new Wheat Drill 22; of Maxwell, Mott & Co. factory 29; of the advantages of Baltimore as a wool market 42; of the Fall Exhibition of Md. State Ag. Soc. 49, 105; reply to Hoetberg's enquiries on sowing grass seed 74; reply to R. Irby 85; on marl, green sand, &c., their properties 117; of guano for corn 119; Chappell's Salts, virtue of 119; of Mr. Pearce's address 10, 192; Mr. Bowie's essay on the culture of Tobacco 210; of Dr. Thompson's address 193, 312; of T. F. Bowie's address 193; replies to J. B. Steele, Jr. 199; notice of Mr. Holecomb's essay on the wheat crop 231; of Mr. Wallace's experiments 231; of Mr. Newton's paper on the profits of farming 270; of Mr. Milburn's Tobacco essay 270; answer to Mr. Wilson's enquiries on the renovation of his vegetable garden 306; notice of Dr. Higgins' report 310; of Mr. Gregorie's paper on Malaria 336; of the Cow Pea 398; replies to Pungoteague, 426; of valuable stock for sale, 432; on the management of lands, 438.
- F.
- Fair Play, in reply to Collington 41
- Fallow, to manage a summer 33
- Farm Buildings, essay on, by J. Wilkinson 335; by R. Sinclair 416
- " Accounts, necessity of, by Collington 25
 - " Work for July 11; August 33; Sept. 65; Oct. 106, Nov. 166; Dec. 195; Jan. 231; Feb. 265; March 298; April 344; May 382; June 421
- Farms, subdivision of H. on gr.
- Farming, profits of, by E. Ruffin 1, 119; by J. Wallace 226; by W. Newton 255, 318
- Farmer, dignity of the profession of the 33
- Farmers' Club, proceedings of Sandy Spring 27; experiment with guano by do 108; Corsica Neck Q. A. Co. 75
- Feast, Jno. the floral establishment of 27
- Fences, construction of Wire, by G. W. Dobbin 13
- " do by Col. Capron 13
 - " do by W. B. Buchanan 272, 317
 - " the mending of 35
 - " subdivision by cross 8
- Fertilizers, by Collington 25; Kettlewell's 81; Ellcott's 52
- Fisher, Mr. of Carroll production of farm of 8
- Fish oil for vegetables 8
- Fletcher, S. J. on the cow pea 8
- Flax, culture of 8
- Flower, work for July 28; Aug. 61; Sept. 93; Oct. 132; Nov. 168; Dec. 205; Jan. 249; Feb. 271
- March 327; April 366; May 409; June 442
- Flowers, hints to lovers of 8
- " proper manure for 8
- Fowls, raising of 8
- Fruit Trees, budding of 8
- " management of 68, 257, 325
 - " planting of, by Dr. Darlington 8

- Fruit Trees, lime for insects in 407
 G. 14
 Garden work, for July 27; Aug. 6; Sept. 9; Oct. 132; Nov. 167; Dec. 197; Jan. 250; Feb. 284; March 324; April 347; May 407; June 424 191
 Gate, plan of a farm, 191
 " Smith's vertical, 275
 Georgia, improvement in the agriculture of, 322
 Glenn, Jno. description of Elgar's water ram by 420
 Goats, Cashmere, importation of, 127
 Grass, southern, by Col. Hampton 437
 Grape, culture of the,
 Do by R. Buchanan of Cincinnati, 285
 Do by Sydney Weller, 320
 Gregorie, Jas., on Malarious Diseases, 384
 Grist Mill and horse power of Sinclair 403
 Gutta Percha, uses and cost of, 318
 Guano, how used 12, 223
 " by F. F. H. 45
 " by Hon. Mr. Pearce 182
 for turnips 34, 182, 300
 " for wheat 66, 107; by S. T. Earle 78 189
 " by Dr. Dupay 189
 Artificial 82
 " for melons 86, 123; by T. S. P. 242
 " freight on, by B & O. R. R. Co. 115, 434
 " for corn, 109, 119, 318
 " for cotton 318; for carrots 323
 " for timothy 108
 " for potatoes 323
 " for turnips, corn, oats, wheat, barley, potatoes, carrots, parsnips, beets, and cabbages, 224
 " analysis of Peruvian, 222
 " applied with lime, marl and ashes, 224
 " mode of applying, 225
 " inspection of, in Baltimore, 256
 " for tobacco, by R. N. Milburn, 266
 " action of, on wheat and corn, 268
 " vegetables, 305
 " rise in price of 326, 351
 " the trade in 434
- H.
 H. on green crops, rotation &c. 360
 H. M. P. on composts from swamp mud, &c. 204
 J. Wal. " on cultivation of root and other crops 258,
- 259, 260
- Harvest, the Hay 12
 Harvesting, drinks for 12, 423
 Neck 437
 Hay, the supply of 437
 Hay Fork, description of a, by E. Stabler 282
 Hessian Fly, protection from the 179, 190
 Hemp and Flax, cultivation of 346
 Herbs, pot, time to sow 407
 Higgins, Dr. visit of, to Cecil, &c. 123
 " report of, to Legislature 310, 361, 392, 439
 " salary of 367
 Horse, diseases in, and remedies for (See Recipes)
 the Morgan, Black Hawk 289, 310
 management of the 196, 232, 347
 Horse Power, Sinclair's railway 403
 " Page's, &c. by Mr. Milburn 440
 Hoeberg, on sowing field seeds 39, 731
 Holcomb, C. P. on the wheat crop of U. S. 215, 231,
 Feb. 271
- Iward, B. C. potatoes raised by 194
 Hughes, G. W. on the Pyrocanthus thorn for hedges 87
 description of a wild animal by 269
 Jussey, O. reaper of, by S. Robinson 22; trials of
 the reaper of 50, 310; by J. Jones 429
 I. J.
 Implement makers, notice to 431
- Inspections in Baltimore for 1849, 274
 Irby, R. on farming in Nottaway Va. 85
 Jacobs, J. M. on the cow pea &c. 409
 Johnson, Tho. on British husbandry 40; on farm stock in Great Britain 75
 Johnson, B. F. receipts of books from 82
 Jones, Siyas B. on the culture of Tobacco 219
 Jones, John on Central Soc., &c. 429
- K.
 Kent County, improvement in 312
 Kettlewell & Davidson, letter of, to State Society 139; the Renovator of 387; as a substitute for guano 401
 King, Hon. W. of N Y, remarks of, before the State Society 149
- L.
 Land, how to measure, 127
 Lands, management of, 166, 438
 " well, on the use of lime for 274
 " Improvement of worn out by Mr. Pearce 179
 " by J. B. Steele Jr. 197; by the editor 273
 " Virginia 420, 432
 " improvement of the, in Q. Anne's 434
 Lee, Dr. Dl. and the Patent Office 248
 Lemon Trees to prevent casting fruit of 54
 Lime how used 13, 34, 107, 179,
 " pieces of 29; for ry 65; for timolhy 67
 " for fruit trees 68; in Virginia 55
 " on the use of by Dr. Higgins 364
 " operation of 85; by Vindex 304
 " the several kinds of by Dr Higgins, 171, 394
 " gas house, by do 314
 " sold by M. Robinson 173
 " quantity to the acre 199
 " time of applying 262
 " analysis of by Prof. Peter 129
 " by Dr. Higgins 171, 394
 " for wet lands 274
 " for vegetables 305
 " and Bone Dust 404
 " kilns, construction of by Northampton 168
 " and marl quantity per acre 356
- Lucerne cultivation of 344, 391
 Lynx, the Canadian in Md. 269
- M.
 Magnesia, action of, by Dr. Higgins 364
 Malarious diseases, by James Gregorie 384, 431
 Malaria, cause of the by Dr. Morton 111
 Market, the Baltimore, 29, 61, 94, 133, 173, 206, 250
 289, 328, 410, 442
 Magoffin, Dr. on the apple from the crab, 51, 53
 Manure how to make, 68, 181, 196, 253, 262, 300, 344
 " value of urine as a 269
 " root, as a 269
 " plaster, on the benefits of 357
 Manures, Putrescent by E. Ruffin 70
 " stable and Barn yard, by Dr. Higgins, 392
 " the way to economise 437
 Mangel Wurtzel, cultivation of 345, 389
 " value of, by Abbe Rozier 399
 Marl, on the value of by E. Ruffin 2, 19
 " by Wm. Carmichael 191
 " by Falkner 436
 " by Dr. Higgins 439
 " and lime, quantity per acre 356
 " green sand of N. Jersey 49, 116
 " machine for raising 358
 " how analyzed 56
 " how applied, 233; when applied 262
 " for meadows 301; shell for sandy lands 79
 M. G. on the agriculture of Dorset & Somerset 327

- Md. State of Agr. Soc. (see Agr. Fair) Aug. meeting of 83; Programme of the Fair 120; proceedings of annual meeting of 137, 139; resolutions at do. 137, 139, 149 153, 154, 156, 157, 192; reports, of committee to wait on President Taylor 138; on horses 139; on Swine 140; on premium animals 140; on poultry 140; on Ploughing 140; on Cattle between 2 & 3 yrs. 141; over 3 yrs. 145; under 2 yrs. 146; on butter and honey 142; on Flowers, 142; on Agricultural productions 142; Dr. Richardson's communication on the Potatoe rot, 143; on Household manufactures, 143; on Vegetables, 144; on Fruit 144; on Sheep, 144; on Hams 145; on fat Cattle and Sheep 147; on Oxen 146; on Agricultural Implements, 147, 148; on discretionary premiums, 148; remarks of Mr. King & Mr. Holecomb, 149; report on Chappell's salts, 152; on agricultural productions by standing Committee, 153; on inspections, 155; election of officers of '155; Mr. Pearce's address before the, 177; Committee of, to memorialize Congress, 192, 270; memorial from, to the Legislature on Sheep, 287; an appeal from, for the establishment of a Central Agr. Soc. 295; meeting of Board of Managers in Feb. 312; proceedings of meeting in May, 427, 433; schedule of prize list for 1850, 428
- Meadows, timothy, 12, 424; tight bound, 301, 346
- Meany R. J. on culture of the Cauliflower, 242
- Measures of surface, 127; of the bushel, 128
- Mechanics Institute, lectures before the, 399
- Melons, cultivation of, 27, 391, 424
- Meteorological table, 29, 61, 94, 133, 173, 206, 250 281, 328, 410,
- Milburn, R. N. on guano for tobacco, 266; essay on the culture of, 270, 275; on Horse-powers, &c. 440
- Millet, time for sowing and quantity of seed, 12; cultivation of, 119, 388, 423
- Michigan Farmer, change in the, 271
- Milk and cream, relative yield of, 434
- Moles, to destroy, 426
- Morton, Dr. W. S. on rust in wheat, &c. 109
- Mould shell, compost of, 119
- Mt. Airy Agr. Institute, 312; farming at, 323, 398
- Mud, River, how used
- " marsh, 426; for fruit trees, 68
 - " for Peas, 84
 - " marsh, analysis of by Dr. Higgins, 394
- Mutton raised in Batt. Co. and Va. N.
- Nelson, R. H. on the use of lime, 55
- Newton, W. letter relative to Mr Ruffin's essay 1
- " on profits of farming, 257, 270, 318
- Norton, Prof. on bone dust and oil vitriol, 405
- North Carolina, farming in 24
- Northampton, on construction of lime kilns 168, 400; on Chappell's salts, 261 O.
- Oats, on cultivation of, 298, 344; the Tartarian, 398
- Oil of vitriol on use of, by Dr. Higgins 364
- " by Prof. Norton, 405
- Onions, on the culture of, 348
- Orchard Grass, sowing of, 77, 78
- Orchards, on the management of, 12, 36, 68, 82, 106 114, 167, 258, 264, 273, 301
- Oyster shells, ground, 56
- Oxen, value of, over horses, by E. Stabler, 282; by W. B. B. 355; yoke for, by do. 410; treatment of, 347 P.
- P. on the rotation of crops, 234; on Lands in Va. 420
- Page's improved Saw Mill and Engine, 319
- Pastures, management of, 35, 68, 263
- " formation of, permanent, 299
- Parasip, cultivation of the, 345
- Patent Office Report for 1848, 250; for 1849, 434
- Pearce, Hon. Mr. Address at the Fair, 177, 23
- Pea, culture of, 28, 259, 324, 347, 391, 42
- " the Gouber, or ground, 26
 - " the best kinds, 23
 - " the Cow (see cow peas.) 23
 - " the Shimney, 403, 41
- Peter, Prof. analyses of lime by, 12
- Phosphoric Acid, by Dr. Higgins 36
- Plaster, value of, with guano, 12; with manure by Col. Jno. Taylor, 33
- " inspection of, by Rusticus, 37; do. by Justice 3
- Peasants, T. S. on the use of guano, 108; for melons 242
- Plow, Bartlett's double 315, 32
- " attachment to a, for turning in green crops 28
- Ploughing, value of deep, 13; of subsoiling, 45
- for wheat 66; fall and winter, for stiff clay, 107
 - winter, 196, 232, 263; subsoil for corn 298
- Ploughing Match, of Md. State Soc. 13
- Plank roads, construction of, 317, in Ohio, 36
- Portia, a story by, of the birds, 24
- Posts, charring butt ends of, 27
- Potatoes, sweepstakes for, 306, 32
- " sweet, (see sweet potatoes.) 9
 - " crop of, in P. George's, 9
 - " Dr. Richardson on the rot in, 10
 - " the rot in, 10
 - " fine samples of, 194; the Bermuda, 19, 10
 - " culture of, 12, 35, 258, 307, 323 8
- Poultry, how to raise, 301
- Poudrette, the Lodi Co. 13
- " from slaughter houses, 13
- Prizes awarded for the "Farmer," 13
- " for essays (see Essays) 13
- Pungoteague, on marsh turf, &c.
- Pumpkins, cultivation of,
- Fyrocanthus Thorn for hedges, R.
- Reaper, Hussey's 22, 50
- Renovation of worn out lands, (see lands)
- Renovator, Kettlewell & Davidson's,
- Reynolds, Edr. on the action of salt,
- Recipes—for dying, 56—for curing a stiffed horse, 78—in horses, wounds, sores, &c. in do. 78
- bone spavin, for galls from harness or saddle, 78
 - for bloating or hoven in cattle, for heaves in horses, 78
 - sore teats in cows, disorder in cows, 78
 - cattle 59, 92; for preparing seed wheat, 66; for rematism, 79; for borts, sun stroke, founder, worms, 79
 - broken wind in horses, 91; for wens, 92; for rolling of throat in hogs, 92; for making spiced mattoes, 92; for megrims or appoplexy in the hog, by P. 118; to cure hams, by G. W. Dobbins to make sugar jumbles 168; to make tomatoes serve & eatups 93; to cure bacon 123; to prepare water melon rind 124; to make arrow root 124
 - core Murrain, 433; medicine for horses, 433
- Richardson, Dr. on the potatoe rot 13
- Roads, on construction of plank
- Robinson, Solon, on the wheat drill and repeat trip of, to the South
- Root culture, 300, 344, 389; by Jno. Wilkinson 192; do. 266; do. 301, 34
- Roy, T. M. B. on marl
- Ruffin, E. on profits of farming
- " on putrescent manures 41
- Ruta Bagas, time of sowing 12; for oxen how to cultivate of 41
- Rye, cultivation of 33; analysis of 65; multiple great yield of 187

- S.
 Salt, value of, for meadows, 12, 78; for turnips, 34
 " action of, by E. Reynolds 267
 Salts, Epsom for rye 65
 Sandy Spring Farmers' Club, report from 26
 Seabrook, Gov. of S. C. 86
 Seeds, on sowing field, by Hoetberg 38; by Thos. Johnson 40; by the editor 67
 Shell banks, value of, by D. H. H. 349; by Dr. Higgins 397
 Sheep, management of 12, 35, 107, 167, 301
 " the South Downs of Mr. Dobbin 248
 " memorial for protection of 270, 287; committee on the same 312
 " Col. Ware's Cotswolds 13; new importation of 127, 194
 " report on, by Talbot Co. Insp. Asso. 36
 " importation of, into Va. by J. N. Dox 43
 " value of corn for 56
 " husbandry by W. B. Buchanan 231, 235
 " by S. T. Stewart 360
 Sheppard, R. D. importation of stock by 125
 Sinclair, R. Jr. & Co. a new wheat drill by 22, 60; grist mill and railway power, 403; Barring and listing Plow or Horse Hoe, 441; patent subsoiling Instrument, 446.
 Skinner, F. G. letter from, on the Dairy 21
 Smut, Smith's Machine 312
 Soda, necessity for, in a soil, by Dr. Higgins 364
 Soils, on the characteristics of, by Dr. Higgins 362
 Soot, value of 88, 269 435
 Specs, on agricultural Agents 199
 Spinach, culture of 348
 Sprouts, Brussels, cultivation of 347
 Stabler, E. description of a hay fork by 282; on the use of oxen 283
 " Tho. P. bee hive of 358
 Steam Engine for farm purposes 359
 Stumps, a machine for extracting, 434
 Strawberry, culture of the 285, 348, 408, 425; by R. M. Wort, 57
 Swamp mud, composts of 203
 Sweet Potatoes, raised by Col. Coffman 194; composts for 205; culture and analysis of 258; a cheap crop of 273
 Swine, raising of 106, 199, 301; fattening of 195
 Sugar, injury to the crop of 248
 Sugar Beet, (see Beets)
 Sunflower, cultivation of the 260
 Sulphuric Acid, (see oil vitriol) T.
 Talbot Co. Inspc. Asso. report on sheep and dogs 36
 " farming on Bay side of 111; by E. F. R. 114
 Tate, Ch. C. on farming in S. Western Va. 266
 Taylor, President, visit of, to State Fair 122; recommendation of, in aid of agriculture 247
 Timothy, time for cutting 12; sowing and culture of 34, 67
 " sowing seed of 67, 77; soil for 67; great yield of 81, 244
 " hay, award for, to Geo. E. Brooke 312
 Tomatoes, culture of 261, 348
 Tobacco, prize essay on, by W. W. W. Bowie 184, 192; do by S. B. Jones 219; do by R. N. Milburn 266; compost for 205; preparation of beds for 264, 301, 347
 Trees, whitewash for 54; lemon, to preserve, 54
 Turnips, culture of 12, 28, 34, 299, 324, 349 423 U.
 Urine, value of, as a manure V.
 Vegetables, reception of fine 247
- Vindex, on the use of lime 304
 Vines, to protect 38
 Vineyard, the Brinkleyville 320
 Virginia, profits of farming in, 2; do by Mr. Newton 255; value and prices of lands in do 10, 420, 432; improvement in 128, 193; farming in S. Western, by C. C. Tate 267; Agr. Convention in 273 W.
 Wallace, J. farming of, in Dorchester, 225, 231, 327
 Water Ram, Elgar's, by J. Glenn, 420
 Ware, Col. sheep of, 13, 194
 Watts, Judge, on the Central Agr. Soc. 248
 Weevil, expulsion of the grain 84
 Webster, Dr on the double plow, 315
 Wet Lands, on the use of lime for, 274
 Wilson, Geo. Sr. on manures for vegetables, 305
 Wheat, early, raised by A. Somerville 15, by T. P. Burgwyn 29; by M. D. White 127
 " by Maj. Milburn and J. H. Keene, 432
 " by Col. Capron 194, 244; by J. Winchester 19
 " Sullivan's Drill for 22, 60
 " Ploughing and drilling in, 35
 " the Register 48; the Rufin 82; the Florence 84; the Husha, 50; black heads, in, 57, 90
 " experiments in soaking seed of, 58; culture of 65, 105, 228
 " to prevent smut and winter killing 66
 " compost for, 88, 205
 " guano for, 107, 182, 189, 268
 " cause of rust in, by Dr. Morton 109
 " premiums for, in Georgia 124
 " early sowing, recommended by Mr. Pearce 179
 " varieties of, by Mr. Carmichael 191
 " nutritive manures for, by J. B. Steele Jr. 199
 " the crop in the U. S by Mr. Holcomb, 215
 " early and late seeding of, by Choptank, 265
 " at Mt Airy Agr. Institute, 323
 " Spring, 346
 " quantity of, in the West, 353
 " selection of seed, 436
 " time for cutting, 436
 " best for low lands, 429
 " gluten in, 432
 " in Maine and Ohio, 436
 " amount brought from Canada, 438 Y.
 Yellott, J. cure for bats by, ILLUSTRATIONS. 365
 Wire Fence, &c., plans of, by G. W. Dobbin 14
 " " by Col. Capron 23
 " " by W. B. Buchanan 313, 314
 " Gate, by do 355
 Plan of Cottage Residence 17, 18
 Sinclair & Co's. Wheat Drill 60
 Sinclair & Co's. Barring and Listing Plow or Horse Hoe, 441
 Sinclair's Patent Sub-soiling Instrument, 446
 Horse Rake, Johnson's Improved, 445
 Portrait of Dutchess 34th 101
 Plan of a farm gate 191
 The Hand Truck 192
 Dirt Scraper 192
 Diagrams of J. Wallace's farm, &c. 226
 Wheat Ricks for Sheep 238
 Vertical Gate, Smith's 275
 Hay Fork, by E. Stabler 282
 Saw Mill, Page's improved, and Steam Engine 319
 Root House and Stalk Stack, by Jno. Wilkinson 326
 Farm Buildings, by Jno. Wilkinson 339, 342, 343
 " by R. Sinclair 416
 Beef Hive, plan of a, by T. P. Stabler 358
 Marl, Machine for raising, by T. E. Blount 359